



512GB M.2 2230 NVMe SSD Gen3

The Integral Memory M.2 2230 NVMe Gen3 x4 PCIe SSD's compact 2230 form factor is designed to upgrade even the most space limited devices including the Valve Steam Deck, ASUS ROG Ally, Microsoft Surface Pro and other ultra-thin tablets and laptops, achieving impressive read speeds of up to 3400MB/s, and write speeds reaching 3000MB/s. Drastically reducing operating system boot times with significantly lower power consumption than traditional hard disk drives (HDD), these latest NVMe Gen3 2230 SSDs are the ideal solution for supercharging your handheld games console, as well as for upgrading work and home PCs and laptops. Coupled with the latest in error detection and correction and end-to-end data protection the 2230 Gen3 delivers best in class performance.

3400MB/s Read*
2400MB/s Write*

* Based on internal testing; performance may vary depending on host device.

- Compact form factor compatible with PCs, NUCs, Microsoft Surface Pro Series, Ultra-thin laptops and tablets, and portable gaming devices
- Guaranteed to work with and fit the Valve Steam Deck and ASUS ROG Ally handheld gaming consoles
- M.2 2230 NVMe 1.3 PCIe Gen3 x4 SSD (PCI Express Gen3: Single port X4 lanes)
- Formidable 3400MB/s read and 2400MB/s write speeds for outstanding processing capabilities
- Size: 2230 (22x30mm)
- Easy to install
- Supports SMART and TRIM commands as well as HMB and AES 256
- Sophisticated error detection and correction (LDPC ECC) functions, data retention (JESD47 compliant), Dynamic and Static Wear-Levelling & Bad Block Management.
- 5-year limited warranty or TBW - whichever is earlier applies



PRODUCT SPECS:

Capacity:	512GB
Component For:	Steam Deck, PCs, NUCs, ROG Ally, Microsoft Surface Pro Series, Dell, HP, Lenovo Ultrabook's & Tablet
Form Factor:	PCIe Gen3 x 4
Mean time between failures (MTBF/ Hour):	1000000
TBW Rating:	180
NVMe:	Y
S.M.A.R.T Support:	Y
TRIM Support:	Y
Read Speed:	3400MB/s
Write Speed:	2400MB/s
Operating Voltage:	3.3V
Power Consumption (Read)(Watt):	2.66
Power Consumption (Write)(Watt):	2.97
Hardware Encryption:	N

TECHNICAL SPECS:

Interface:	PCIe Gen3x 4
Operating Temp:	0° to 70°C
Storage Temp:	-45° to 85°C
Sustainability Certificates:	RoHS
Certification:	CE, UKCA, FCC, RoHs
Warranty:	5 Year Limited Warranty

		PART CODE	BARCODE (EAN)		
512 GB		INSSD512GM2230G3	5055288449992		
		DEPTH	WIDTH	HEIGHT	WEIGHT
PRODUCT		0.8mm	22mm	30mm	2g
PACKED		23mm	102mm	127mm	42g